EPSON

ELPHB800

Installation Instructions

The entire installation instructions should be fully read and understood, including all of the safety precautions, before beginning installation. The installation instructions should be read, understood and followed to prevent personal injury or property damage. Keep these installation instructions in an easily accessible location for future reference.

Installation methods:

- **Fixed Height Ceiling Installation** — Best for short ceilings, eight (8') or lower. Removal of the center adjustable suspension in needed.

- **Adjustable Height Ceiling Installation** — Best for high ceilings, nine (9') feet or higher.

- **Wall Mount Installation** — For installing the Digital Projector Mount on a rear wall.

- **ELPMBAPL** — (Optional) 26" to 47" Adjustable height ceiling adapter.

⚠ **Before Installation**

The wall or ceiling where you want to install the digital projector must be capable of supporting a weight that is five (5) times the weight of the projector you are installing. Consult the projector's documentation for weight specifications. The ceiling structure must be capable of supporting a max weight of 25 lbs., the weight of the projector. If not, the ceiling must be reinforced. Proper installation procedure by qualified personnel as outlined in the installations instructions must be adhered to. Failure to do so could result in serious personal injury.
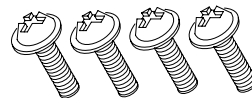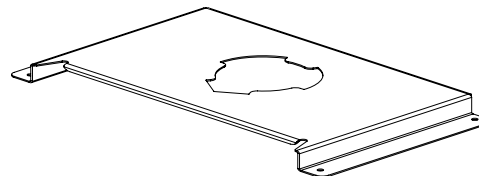
Hardware description

The Projector Mount utilizes the following hardware. Note that the letters associated with the hardware on this list correspond to the letters listed in the instructions for each installation method. If any of the following hardware is missing **STOP**. Contact Epson for proper hardware.

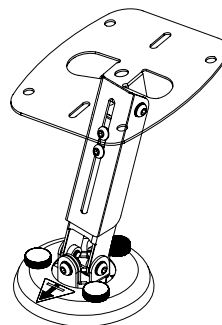**A**. Four (4) M4 x 10 (mm) Phillips screws (supplied)

B. One (1) mounting bracket (supplied)

C. Digital Projector (not included)
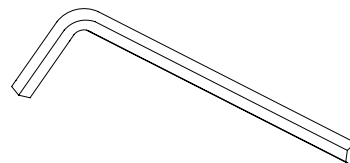**D**. Assembly mount (supplied)

NOTE: Hardware item (**E**) is what secures the Digital Projector Mount to a simple wood stud on your wall ceiling. For all installations other than single wood mounting make sure you consult with your local hardware store staff for the type of hardware that works best for your installation environment.

E. **SINGLE WOOD STUD**: If mounting on a single wood stud use the three (3) #14 x 2" Lag screws (supplied) Use the mounting points on the center of the plate as indicated in the assembly diagram.
 ° **SOLID STRUCTURE**: If mounting to a solid structure use four (4) 5/16" x 2" Lag screws or commercially available hardware (depending on the installation requirements). Use the mounting points found on the outer points of the mounting plate as indicated in the assembly diagram.
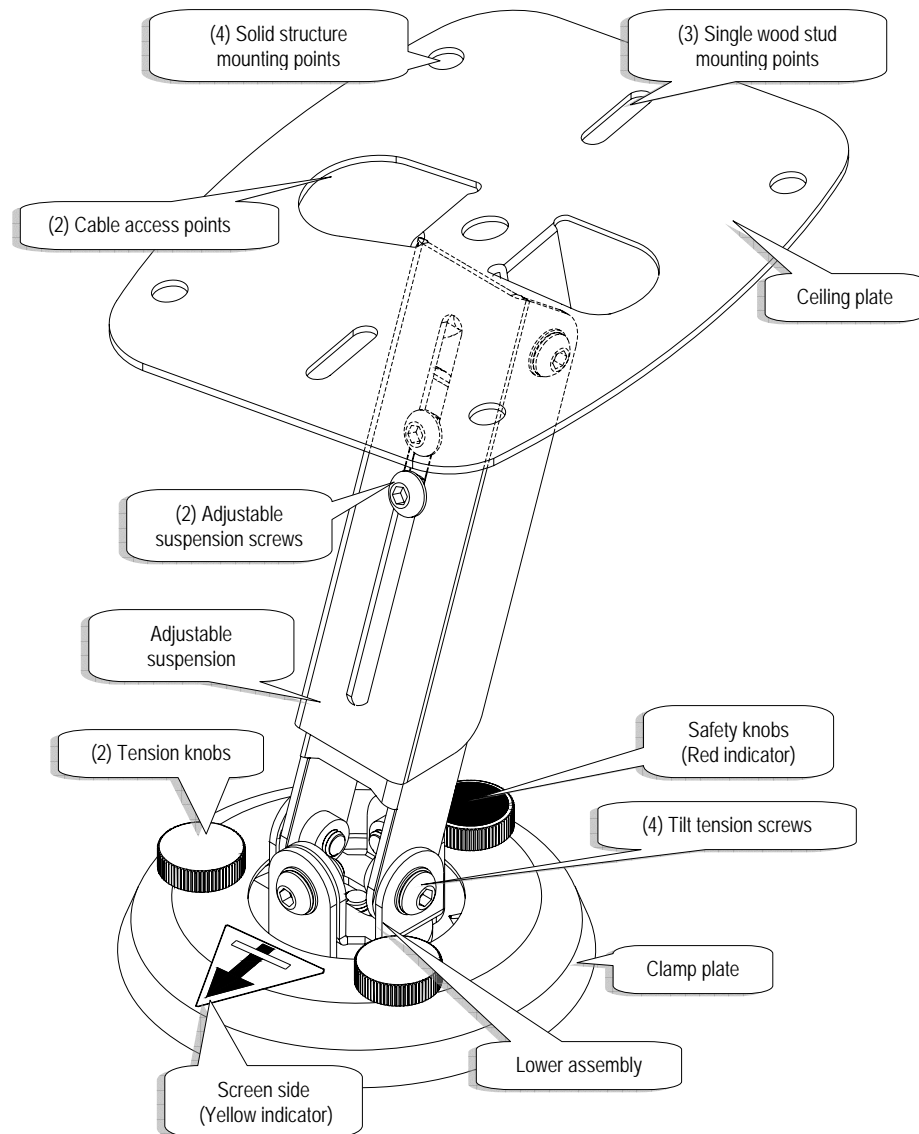
F. Allen wrench (supplied)

Tools Needed for Installing the Projector Mount

You need the following tools to install the Projector Mount:

- Phillips head screwdriver (not included)
- Allen wrench (included)
- Drill for installation environment only - *__do not__* use a drill on the Digital Projector or the Digital Projector Mount) and drill bit to match the hardware for your installation environment (not included).
- The commercially available hardware (E) that is required by your installation environment (not included)

Mount Overview

(4) Solid structure mounting points

(3) Single wood stud mounting points

(2) Cable access points

Ceiling plate

(2) Adjustable suspension screws

Adjustable suspension

(2) Tension knobs

Safety knobs (Red indicator)

(4) Tilt tension screws

Clamp plate

Lower assembly

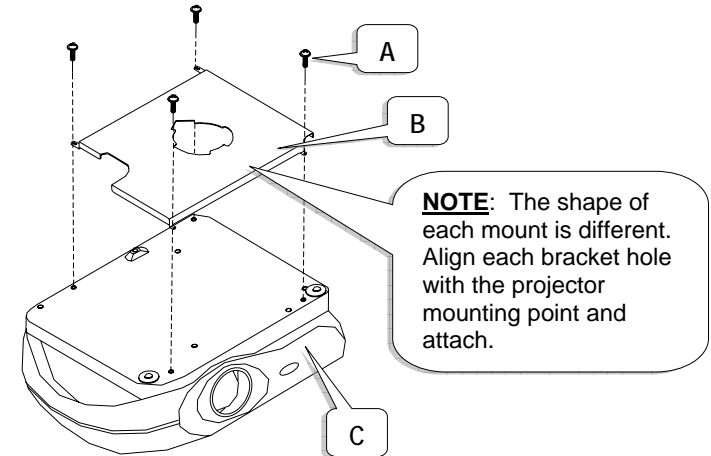Screen side (Yellow indicator)

Getting the projector ready

Before you start the installation process, prepare your Digital Projector by performing the following steps (FIGURE 1).

1. Turn the projector (C) upside down and place it on a clean flat surface, preferably on a towel.
2. Locate the mounting bracket (B) and align it over the holes on the projector.
3. Locate the four (4) 4 (mm) x 10 (mm) Phillips head screws (A).
4. Use the Phillips head screwdriver to secure the mounting bracket (B) to the projector via the four (4) Phillips head screws (A). Do not over-tighten the screws.

FIGURE 1

A

B

NOTE: The shape of each mount is different. Align each bracket hole with the projector mounting point and attach.

C

Fixed height Ceiling installation (optional installation)

Complete the following steps to install the projector mount and projector on your ceiling. This installation works best with low ceilings (FIGURE 2).
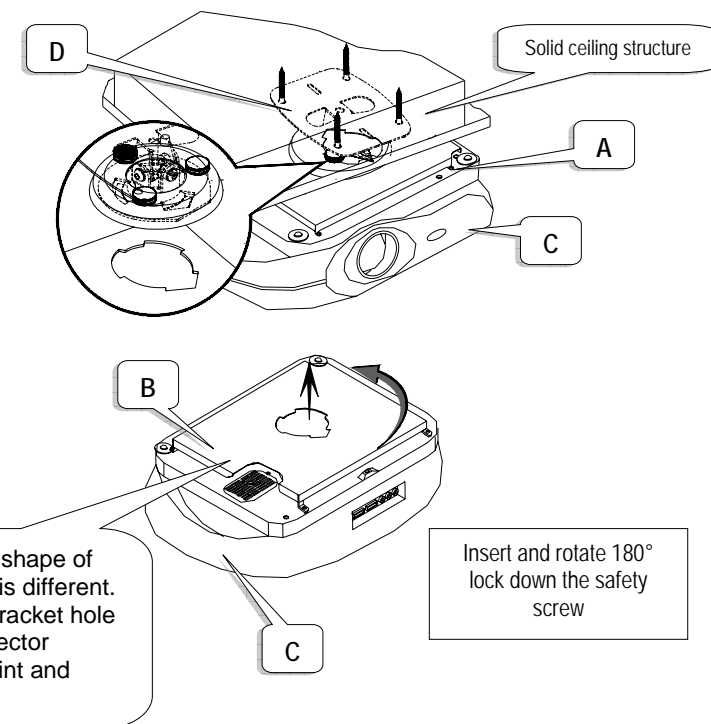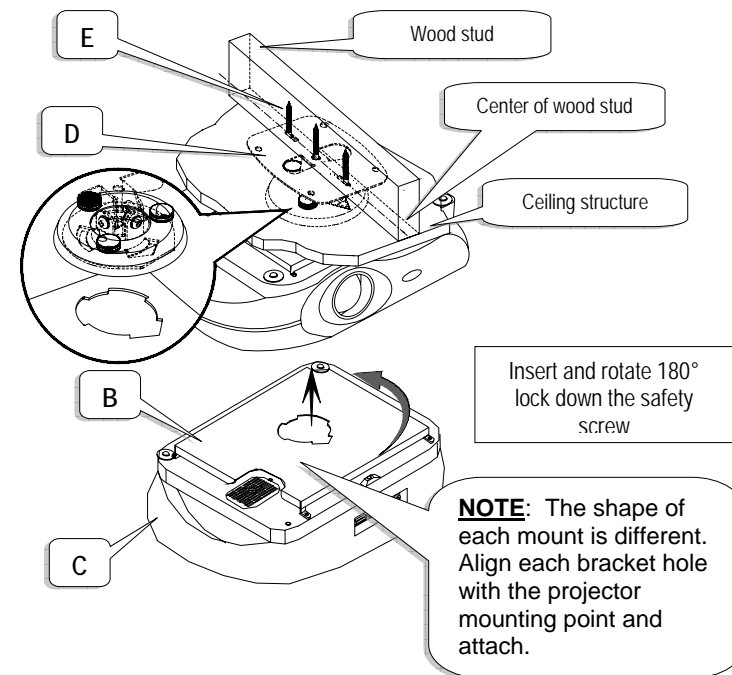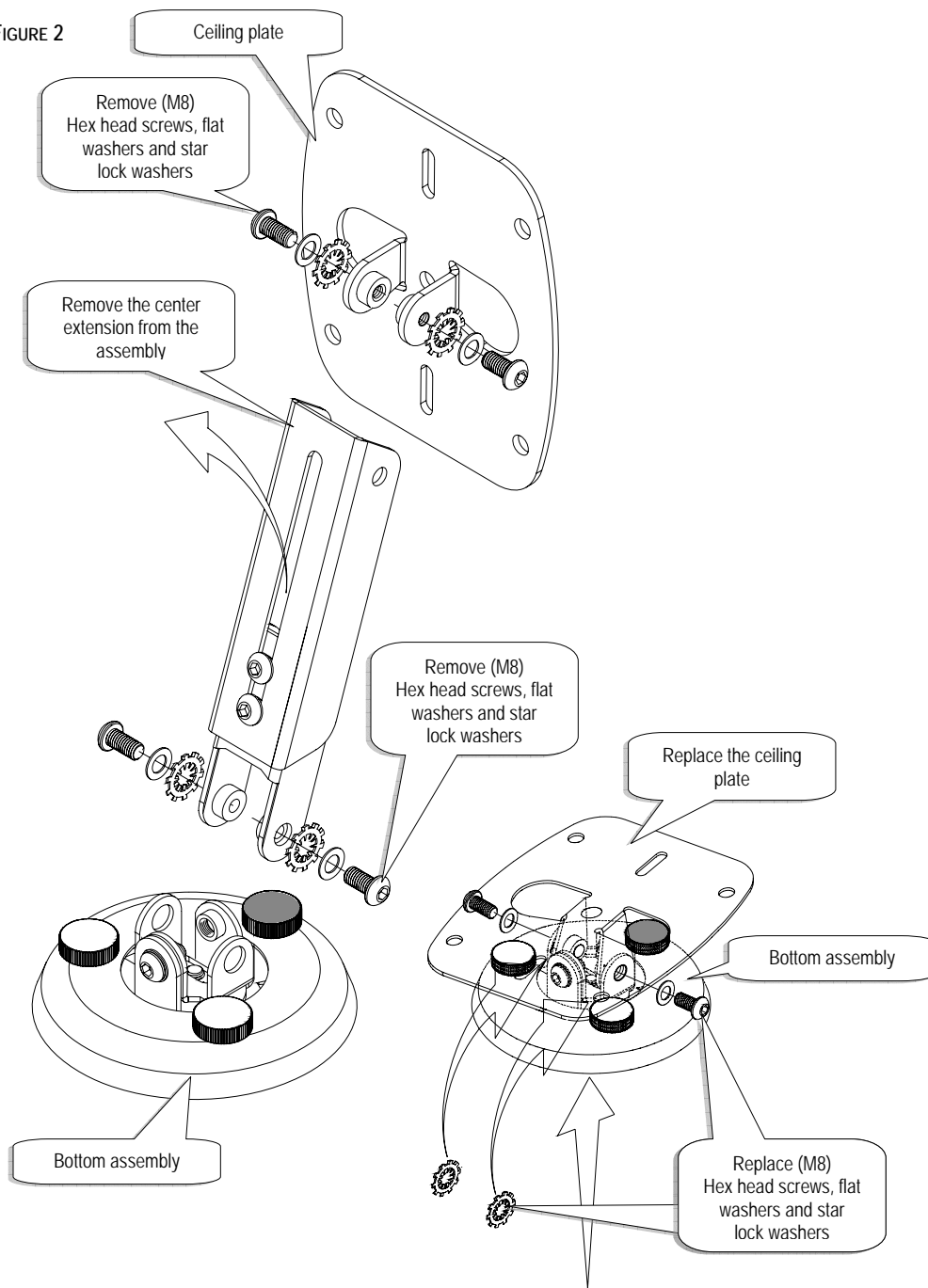
Note: Look at the bottom of the mount assembly (D) and locate the arrow. Make sure you install the projector mount with the arrow pointing toward your screen.

1. Remove the upper plate and the center extension from the assembly (D) secure the upper plate to the ceiling structure using the commercially available hardware (E) suitable for your environment. Replace the bottom assembly to the secured plate. Be sure that the mount assembly screen indicator arrow is pointing toward your screen.
2. Replace the mount assembly with the upper plate and fully raise the safety knob and tension knobs all the way. Carefully raise the projector (C) with the mounting bracket (B) attached and insert it into the bottom of the mount assembly (D) by its tabs.
3. Rotate the projector (C) with the mounting bracket (B) attached 180º so that the projector's focus ring is pointing toward your screen.
4. Align the safety knob on the mount assembly (D) with the end of the arrow-shaped slot on the mounting bracket (B) and screw it through the opening to prevent further rotation. Hand-tighten the safety knob.
5. Hand-tighten the remaining two tension knobs to secure the mounting bracket (B) to the mount assembly (D).

CAUTION: Check all of the hardware for proper tightness and security. *Do not over-tighten the screws*.

NOTE: Use the Allen wrench key (F) for the following modification

FIGURE 2

Ceiling plate

Remove (M8) Hex head screws, flat washers and star lock washers

Remove the center extension from the assembly

Remove (M8) Hex head screws, flat washers and star lock washers

Replace the ceiling plate

Bottom assembly

Bottom assembly

Replace (M8) Hex head screws, flat washers and star lock washers

E

Wood stud

D

Center of wood stud

Ceiling structure

B

C

Insert and rotate 180° lock down the safety screw

NOTE: The shape of each mount is different. Align each bracket hole with the projector mounting point and attach.

D

Solid ceiling structure

A

C

B

C

NOTE: The shape of each mount is different. Align each bracket hole with the projector mounting point and attach.

Insert and rotate 180° lock down the safety screw

3

Adjustable Height ceiling Installation

Complete the following steps to install the projector mount and projector on your ceiling with the optional suspension adapter.

This installation works best with high ceilings (**FIGURE 3**).

Note: Look at the bottom of the upper assembly (**D**) and locate the arrow. Make sure you install the projector mount with the arrow pointing toward your screen.

6. Use the Allen wrench (**F**) to remove the upper plate from the mount assembly (**D**).

7. Use the Allen wrench to remove the two screws from the enclosed end of the of the suspension adapter, and place it into the slotted extension on the upper plate (**E**). Make sure that the two (2) outer holes on the suspension adapter align with the holes on the slotted extension on the upper plate.

8. Replace the two screws removed in step 2 into the two (2) holes to secure the suspension adapter to the upper plate.

9. Attach the mount assembly to the suspension adapter and secure them with the two screws removed in step 1.

10. Secure the upper assembly to the ceiling using the commercially available hardware (**E**) suitable for your environment. Be sure that the upper assembly arrow is pointing toward your screen.

11. Carefully raise the projector (**C**) with the mounting bracket (**B**) attached and insert it into the bottom of the upper assembly (**D**) by its tabs.

12. Rotate the projector (**C**) with the mounting bracket (**B**) attached 180º so that the projector's focus ring is pointing toward your screen.

13. Align the safety knob on the mount assembly with the end of the arrow-shaped slot on the mounting bracket (**B**) and screw it through the opening to prevent further rotation. Hand-tighten the safety knob.

14. Hand-tighten the remaining two tension knobs to secure the mounting bracket to the amount assembly.
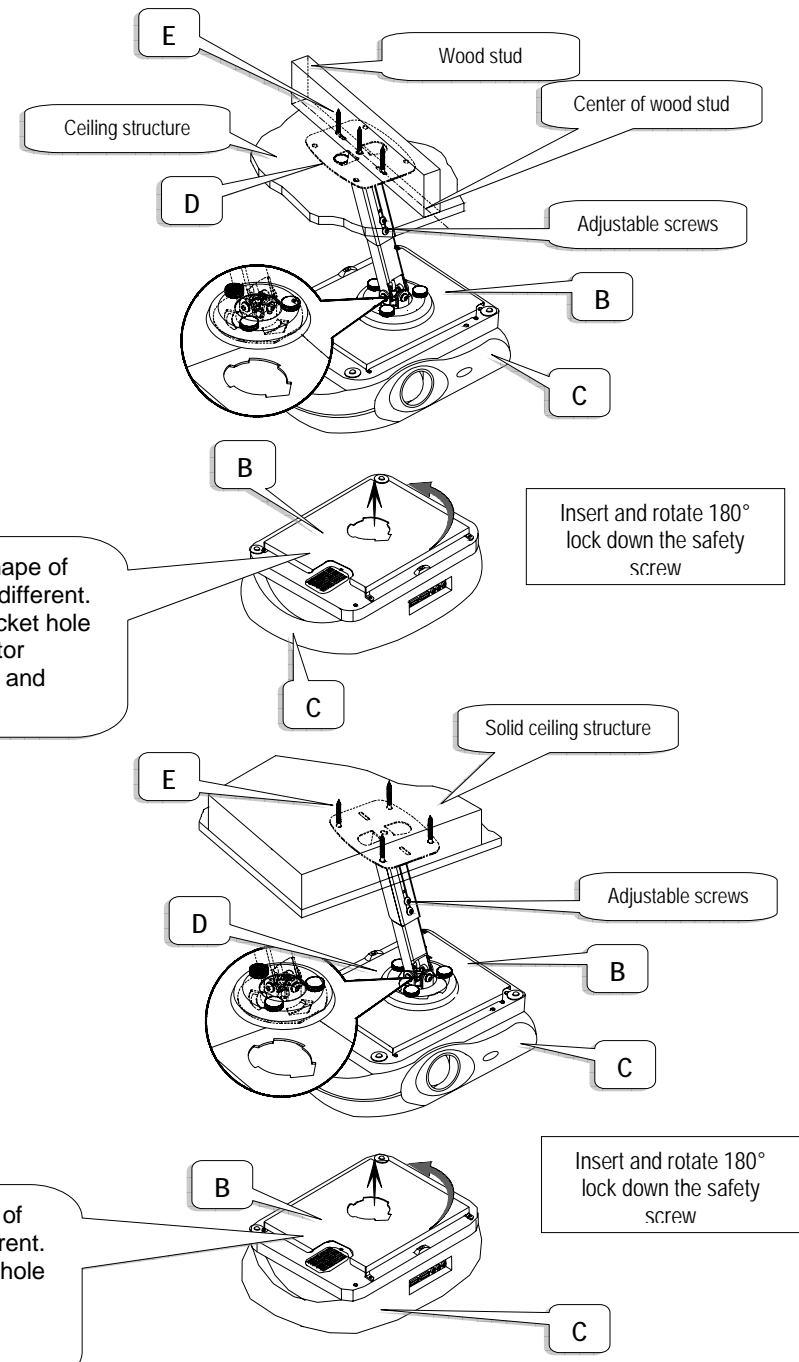
CAUTION: Check all of the hardware for proper tightness and security. *Do not over-tighten the screws.*

NOTE: Use the Allen wrench key (**F**) for the following modification

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WARNING

When using the optional extension adapters and making a height adjustment while secured to the wall or ceiling do not remove the screws completely from the extension. Failure to do so could result in injury and damage to the projector.

FIGURE 3

E
Wood stud
Center of wood stud
Ceiling structure
D
Adjustable screws
B
C

B
Insert and rotate 180°
lock down the safety screw

NOTE: The shape of each mount is different. Align each bracket hole with the projector mounting point and attach.

C

Solid ceiling structure
E
Adjustable screws
D
B
C

B
Insert and rotate 180°
lock down the safety screw

NOTE: The shape of each mount is different. Align each bracket hole with the projector mounting point and attach.

C

4

Wall Mount Installation

Complete the following steps to install the projector mount and projector to your wall. (**FIGURE 4**)

Note: Look at the bottom of the upper assembly (**D**) and locate the arrow. Make sure you install the projector mount with the arrow pointing toward your screen.

NOTE: <u>Follow step 3 to secure the extension to the mount assembly</u>.

15. Secure the upper plate to the wall using the commercially available hardware (**E**) suitable for your environment. Be sure that the screen indicator arrow is pointing toward your screen.

16. Carefully raise the projector (**C**) with the mounting bracket (**B**) attached and insert it into the bottom of the mount assembly by its tabs.

17. Rotate the projector (**C**) with the mounting bracket (**B**) attached 180° so that the projector's focus rings is pointing toward your screen.

18. Align the safety knob on the mount assembly with the end of the arrow-shaped slot on the mounting bracket (**B**) and screw it through the opening to prevent further rotation. Hand-tighten the securing knob.

19. Hand-tighten the remaining two tension knobs to secure the mounting bracket (**B**) to the mount assembly (**D**).

CAUTION: Check all of the hardware for proper tightness and security. *Do not over-tighten the screws*.

NOTE: Use the Allen wrench key (**F**) for the following modification

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WARNING
When using the optional extension adapters and making a height adjustment while secured to the wall or ceiling do not remove the screws completely from the extension. Failure to do so could result in injury and damage to the projector.

FIGURE 4

Wall wood stud

Wall structure

E

D

Adjustable screws

B

C

Insert and rotate 180° lock down the safety screw

B

C

A

NOTE: The shape of each mount is different. Align each bracket hole with the projector mounting point and attach.